

Title (en)

TRANSFERRING CARRIAGE OF VEHICLES FOR AUTOMATIC MECHANICAL PARKING SYSTEMS

Title (de)

TRANSFERSCHLITTEN VON FAHRZEUGEN FÜR EIN AUTOMATISCHES MECHANISCHES PARKSYSTEM

Title (fr)

CHARIOT DE TRANSFERT DE VÉHICULES POUR SYSTÈME DE STATIONNEMENT MÉCANIQUE AUTOMATIQUE

Publication

EP 3146130 B1 20200701 (EN)

Application

EP 15732380 A 20150519

Priority

- IT RM20140258 A 20140521
- IB 2015053673 W 20150519

Abstract (en)

[origin: WO2015177718A1] Transferring carriage (100) of vehicles for automatic mechanic parking systems comprising at least a frame (1); means of handling of said carriage (100); and at least a device (13) of centering, raising and keeping up of the wheel (32) of a vehicle, said device (13) comprising at least a couple of clamp elements (17) and at least a movable support (14); each couple of clamp elements (17) being supported by said movable support (14); said movable support (14) being transversally translatable for positioning said clamp elements (17) of a same couple in proximity of a wheel (32) of an axle of a vehicle such that the centering, raising and keeping up of the two wheels (32) of an axle of a vehicle is achieved by means of a single transversal movement towards outside of the carriage of said at least one movable support (14) and of the couple of clamp elements (17) integral therewith.

IPC 8 full level

E04H 6/18 (2006.01); **E04H 6/24** (2006.01); **E04H 6/30** (2006.01); **E04H 6/36** (2006.01)

CPC (source: CN EP RU US)

E04H 6/182 (2013.01 - RU US); **E04H 6/183** (2013.01 - CN EP RU US); **E04H 6/22** (2013.01 - RU US); **E04H 6/305** (2013.01 - CN EP RU US); **E04H 6/36** (2013.01 - RU); **E04H 6/424** (2013.01 - RU US)

Cited by

US11312415B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015177718 A1 20151126; AU 2015262955 A1 20161027; AU 2015262955 B2 20190221; CA 2947654 A1 20151126; CA 2947654 C 20220719; CN 106103866 A 20161109; CN 106103866 B 20200630; EP 3146130 A1 20170329; EP 3146130 B1 20200701; ES 2818299 T3 20210409; PL 3146130 T3 20201130; PT 3146130 T 20201008; RU 2016149901 A 20180621; RU 2016149901 A3 20181022; RU 2672900 C2 20181120; US 10329786 B2 20190625; US 10920441 B2 20210216; US 2017089087 A1 20170330; US 2019264460 A1 20190829

DOCDB simple family (application)

IB 2015053673 W 20150519; AU 2015262955 A 20150519; CA 2947654 A 20150519; CN 201580015314 A 20150519; EP 15732380 A 20150519; ES 15732380 T 20150519; PL 15732380 T 20150519; PT 15732380 T 20150519; RU 2016149901 A 20150519; US 201515311898 A 20150519; US 201916408583 A 20190510